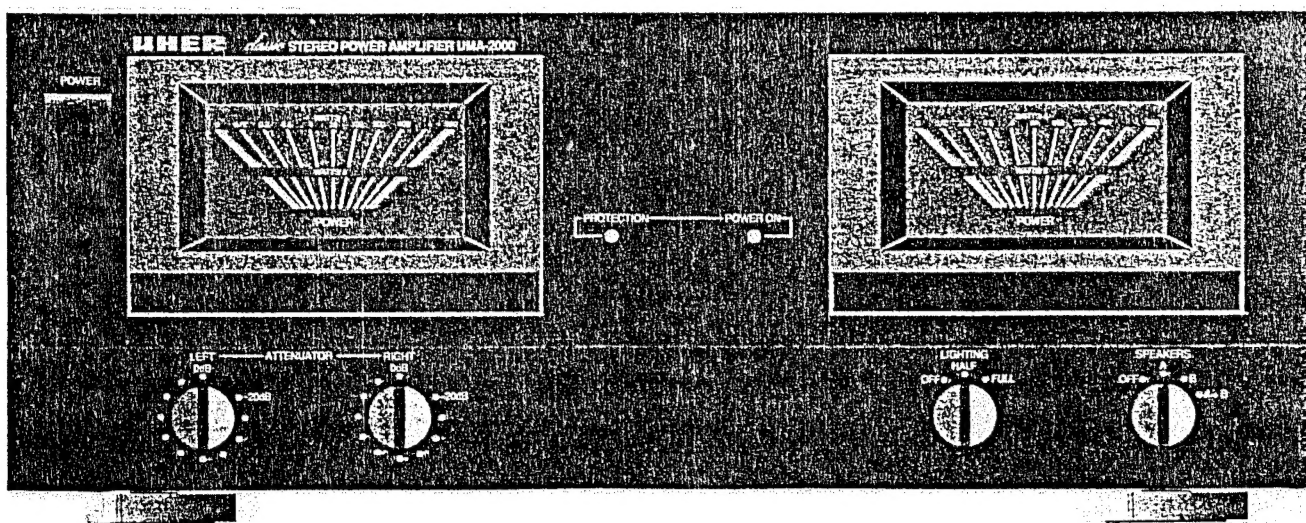


SERVICE MANUAL

UMA-2000 STEREO MAIN AMPLIFIER



SPECIFICATION

Amplifier section

Continuous average power output is 200 watts per channel mini at 8 ohms from 20Hz with no more than 0.03% total harmonic distortion.

Output Power (both channels driven)

Rated (20Hz - 20KHz)

80hms, T.H.D. 0.03% IHF 200W

40hms, T.H.D. 0.1% DIN 320W

Mono/Bridge mode(1KHz)

80hms, T.H.D. 0.1% DIN 630W

40hms, T.H.D. 0.1% DIN 680W

Pulsed output power

80hms 265W

40hms 440W

Total harmonic distortion

80hms, 20Hz - 20KHz, 200W 0.03%

Input(Sensitivity/impedance) 1V/50Kohms

Frequency response

3Hz - 120KHz +0/-3dB

S/N rated (short circuit, A network)

at rated output 110dB

at 50mw 85dB

Miscellaneous

Power Reuirements AC 230V,50Hz

Power consumption 1035W

Dimension(W×H×D,without footing)

..... 435×160×410mm

Weight 21.5Kgs

Furnished Parts

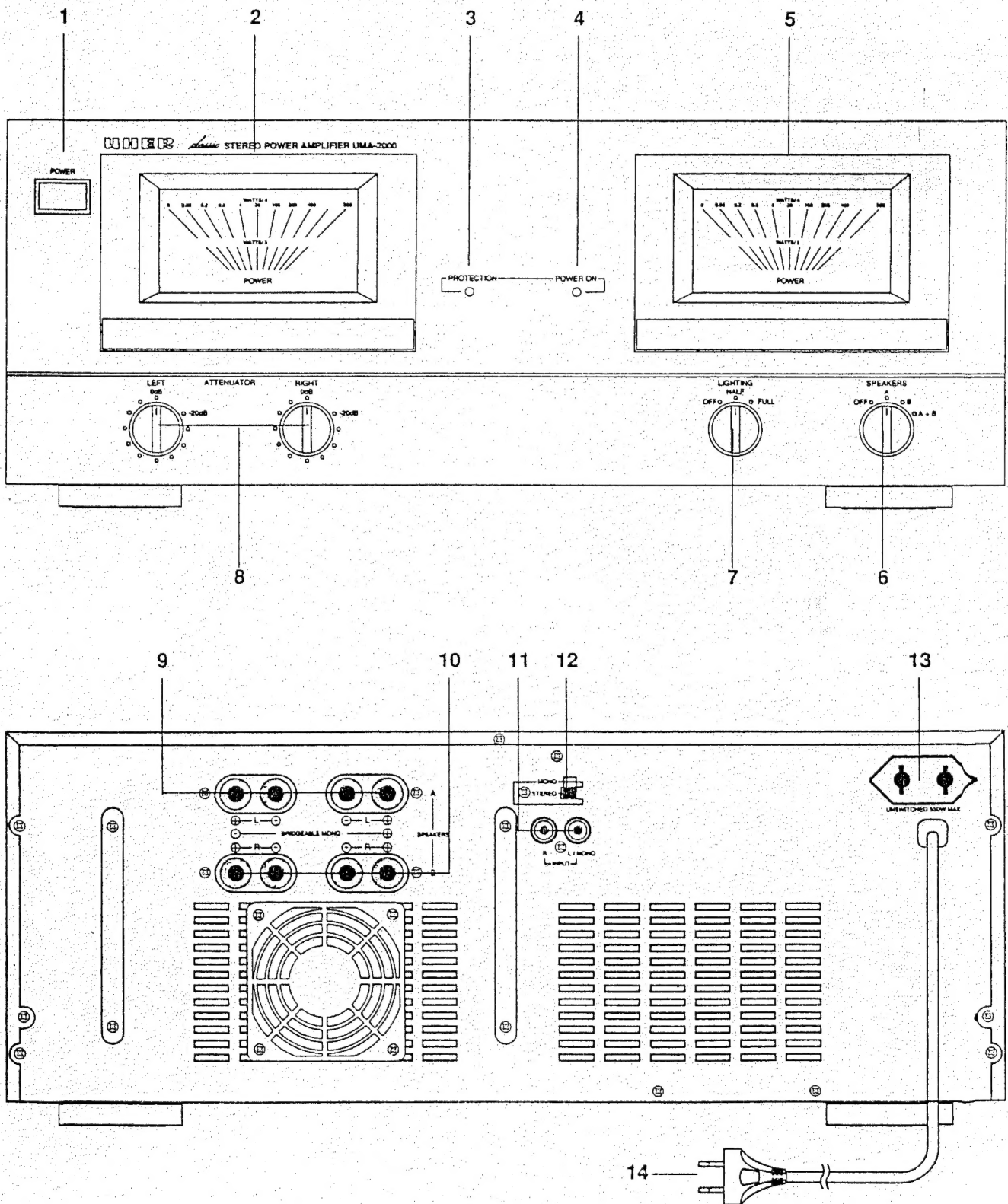
Operation instructions 1

Pin-Plug cord 1

NOTE :

Specifications and design subject to possible modification without notice due to improvements.

PANEL FEATURES

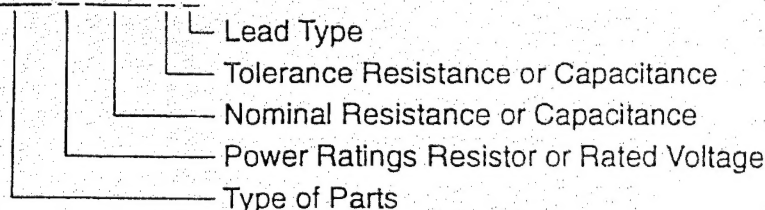


ELECTRICAL PARTS LIST

NOTE : When ordering parts first convert parts number into code form as shown in the following examples.

○ PARTS Numbering

1 1 1 4 4 7 2 2 5



○ RESISTOR

ex) Power Ratings Resistors

8 ... 1/8W 4 ... 1/4W 5 ... 1/2W
1 ... 1W 2 ... 2W 7 ... 4W

ex) Resistor Value

479 ... 4.7Ω 560 ... 56Ω 681 ... 680Ω
822 ... 8.2Ω 123 ... 12KΩ 224 ... 220KΩ

*CARBON film Resistor : 111 437225(3.7KΩ, 1/4W)

○ CAPACITANCE

ex) Rated Voltage

3 ... 16V 4 ... 25V 5 ... 35V
3 ... 50V 7 ... 63V 1 ... 6.3V

ex) Type of Ceramic Capacitor

71 ... CKDYB 75 ... CKDYE 80 ... CCDCH
88 ... CKDSL 84 ... CKDYE 86 ... CCDTH

ex) Capacitor Value

040 ... 4pF 470 ... 47pF 221 ... 220pF
182 ... 1800pF 103 ... 0.01pF 473 ... 0.047pF

ex) Tolerance Capacitance

0 ... C = ±0.25pF 1 ... D = ±0.5pF 2 ... F = ±1.pF
0 ... C = ±20% 4 ... J = ±5% 5 ... K = ±10%
9 ... Z = +80% 6 ... M = ±20%
 -20%

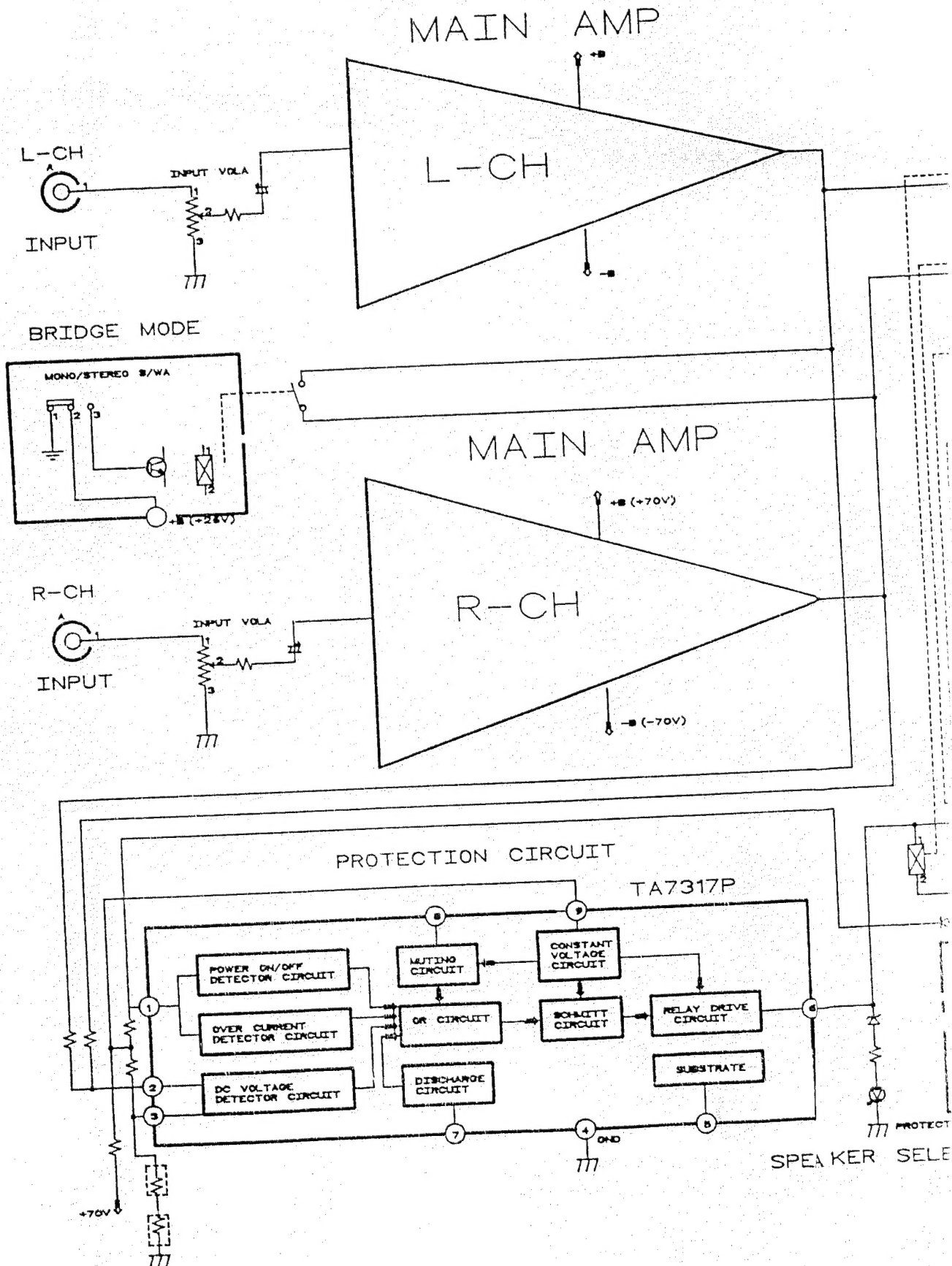
*ELECTROLYTIC CAP : 1[4][4]647365 (0.047 μF, 50V, ±20 %)

*CERAMIC CAP : 1[8][8]647241 (4700pF, 50V, ±20 %)

*MYLAR CAP : 1[5][0]647251 (4700pF, 50V, ±10 %)

*STYROL CAP : 1[5][3]647241 (430pF, 50V, ±5 %)

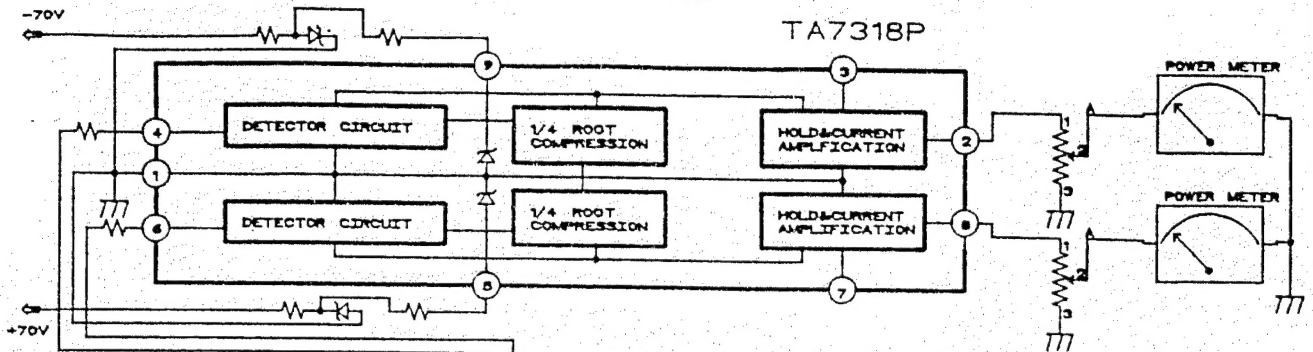
BLOCK DIAGRAM



UHEN Service Station
 1444 North
 27537 Highway 1 (near Hwy 97)
 Tel. (402) 327-1111 Fax (402) 327-1112

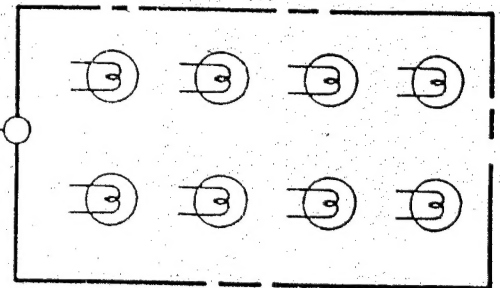
LEVEL METER CONTROL

TA7318P



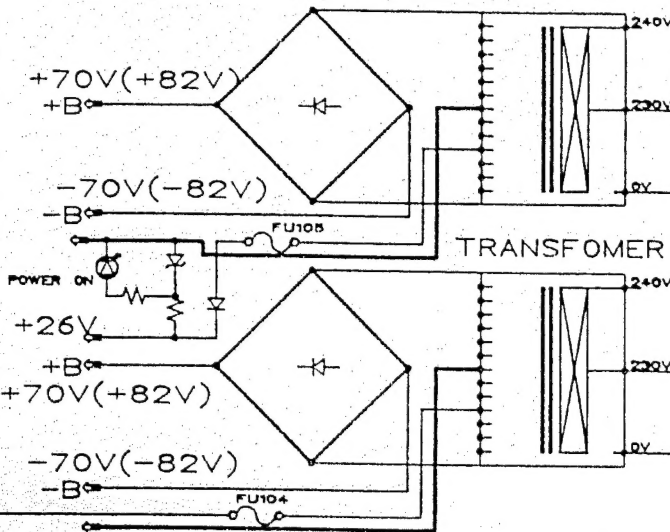
SPEAKER-AA

SPEAKER-BA



LAMP LIGHT ASS'Y

POWER SUPPLY(L-CH)



POWER SUPPLY(R-CH)

FU104:T2.5A/250V
 FU105:T3.15A/250V

AC OUTLET
 UNSWITCHED 550W MAX

FUSE ASS'Y

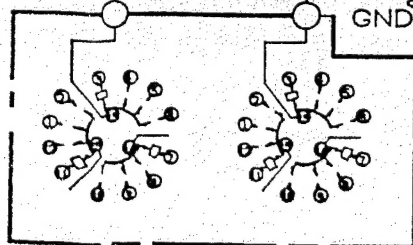
FU101:T2.5A/250V
 FU102:T3.15A/250V
 FU103:T3.15A/250V

POWER S/W

AC CORD

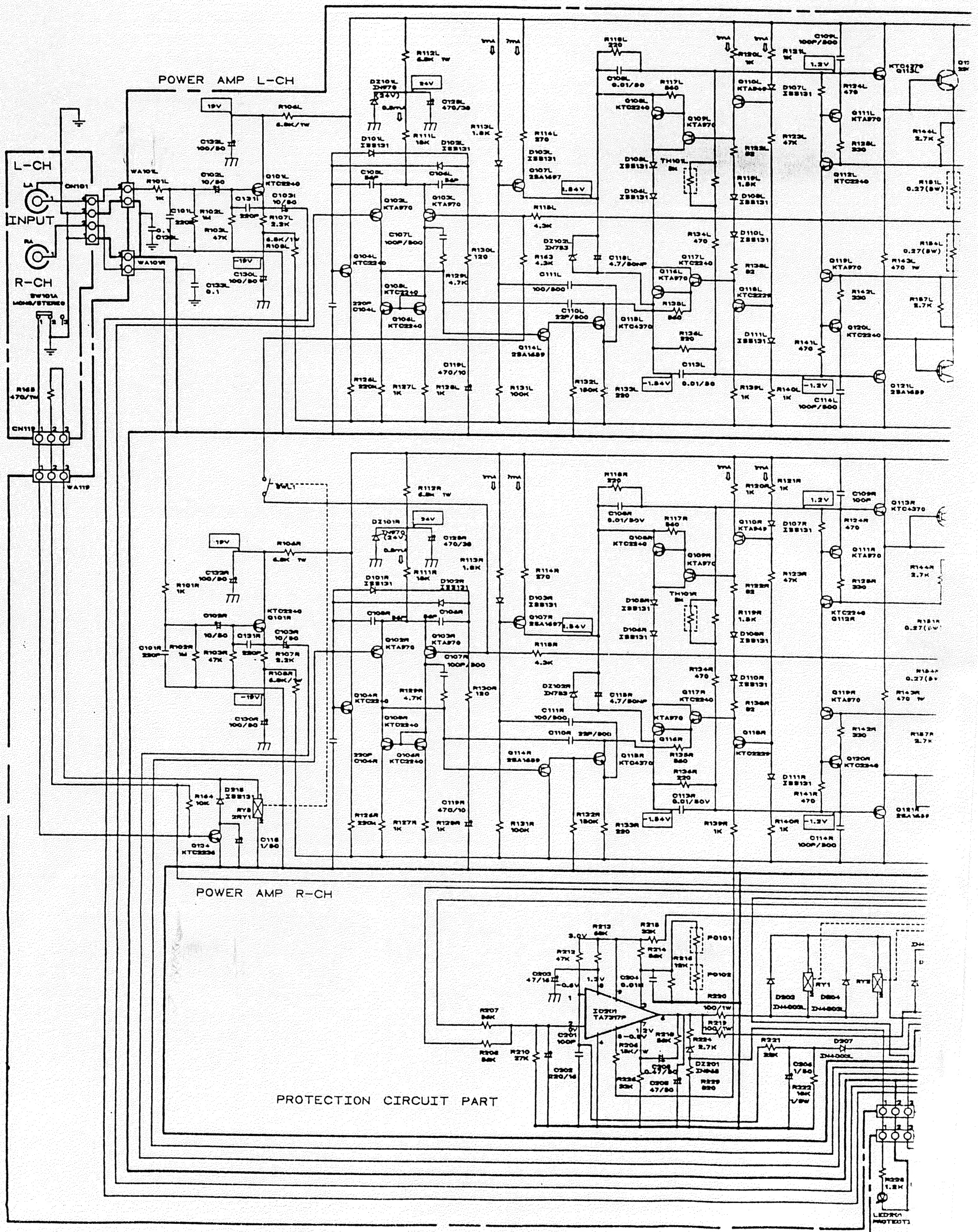
230V/240V
 50Hz

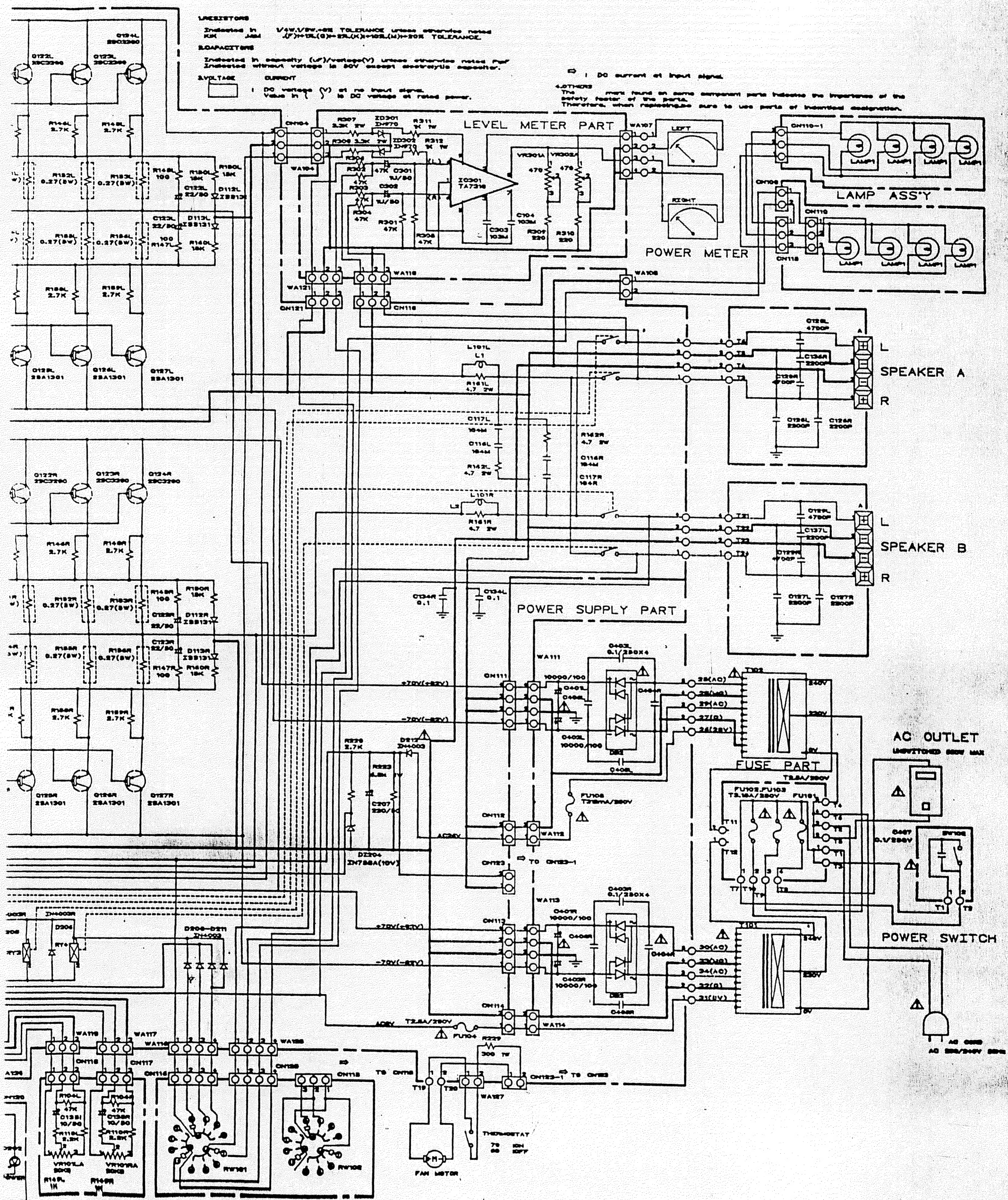
RELAY DRIVE



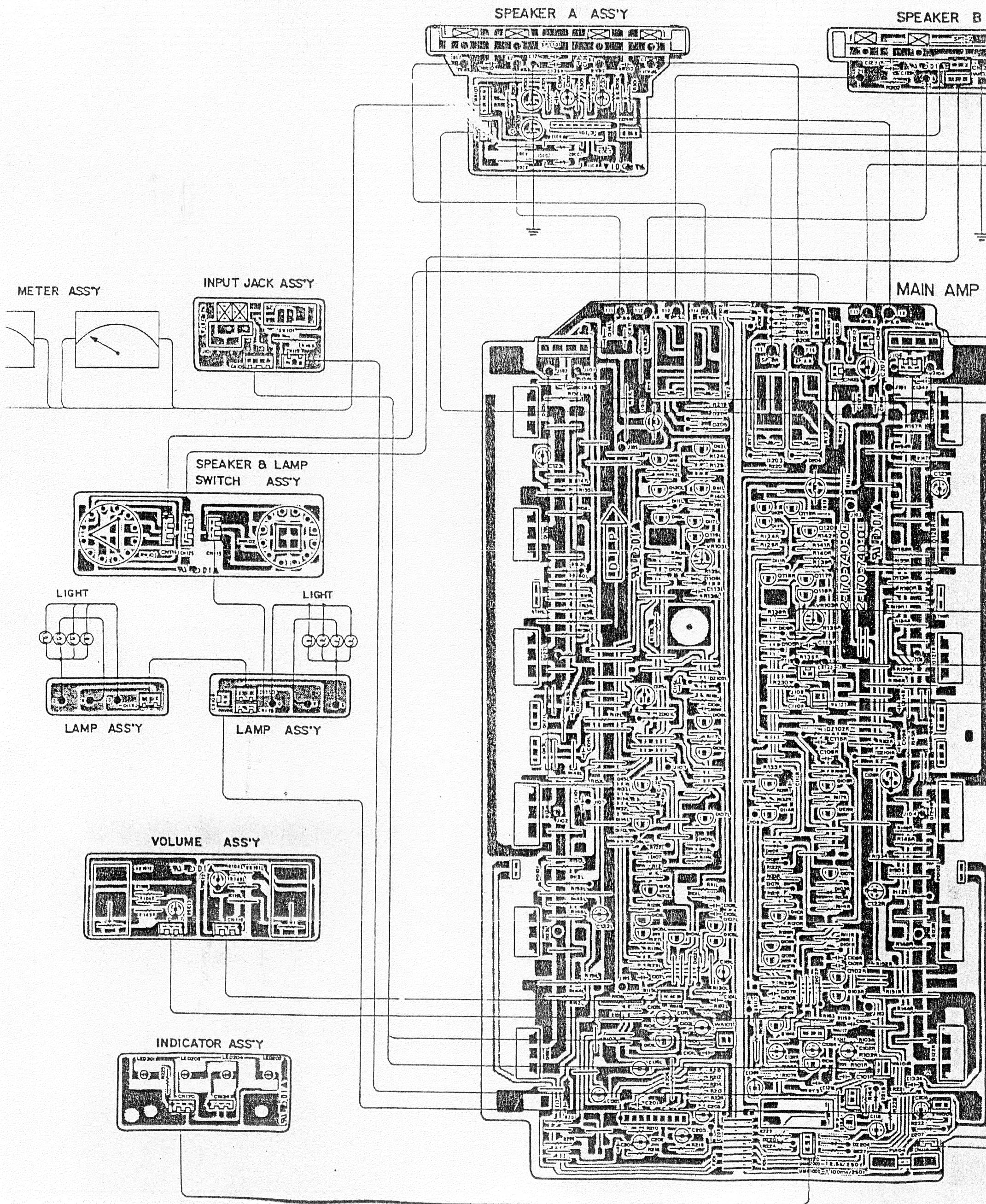
PROTECTION
 SELECTOR/LAMP SELECTOR

SCHEMATIC DIAGRAM

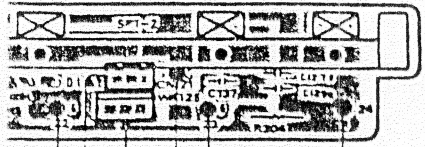




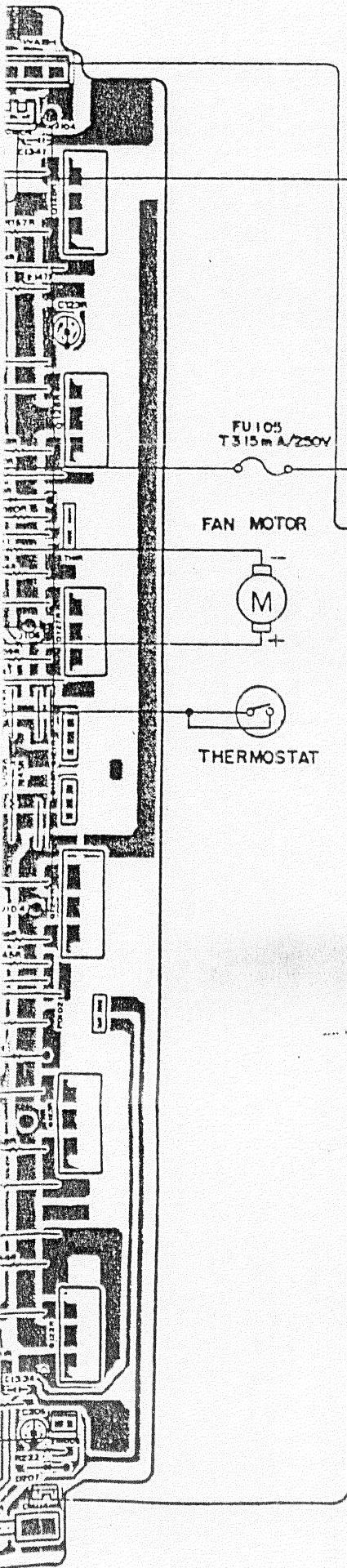
WIRING DIAGRAM



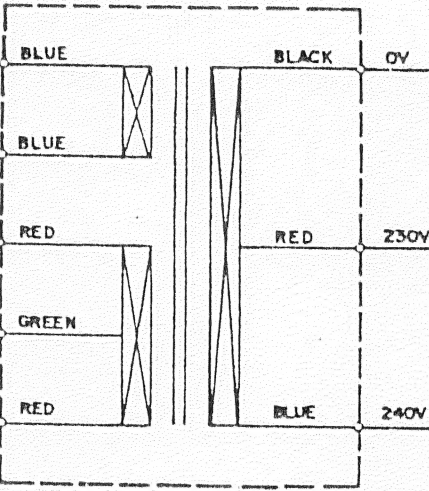
PEAKER B ASSY



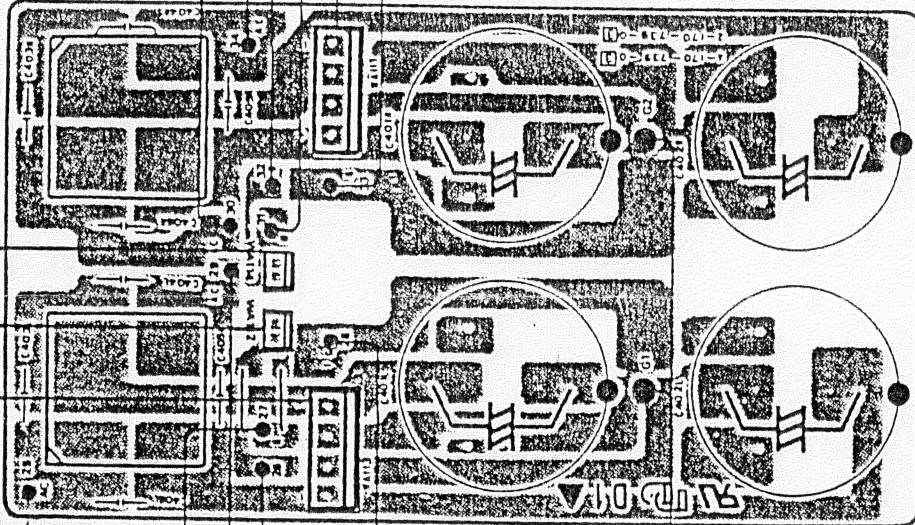
MAIN AMP ASS'Y



T102



POWER SUPPLY ASS'Y



FU105
T 315 mA/250V

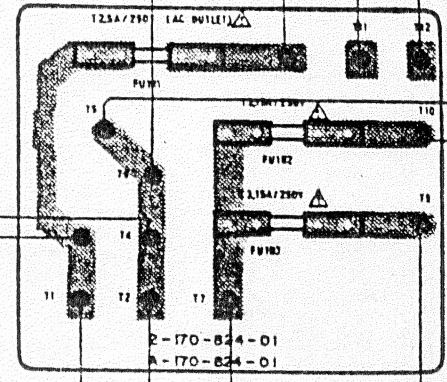
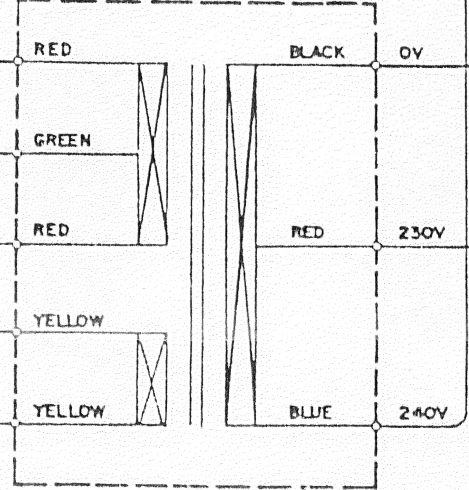
FAN MOTOR



THERMOSTAT



T101



UNSWIT
550W

AC POWER COF

AC 230V 50Hz

POWER SW ASS'Y

